

# 2011-08-19 Friday Morning Notes

Friday, August 19, 2011  
7:49 AM

## Operational Notes

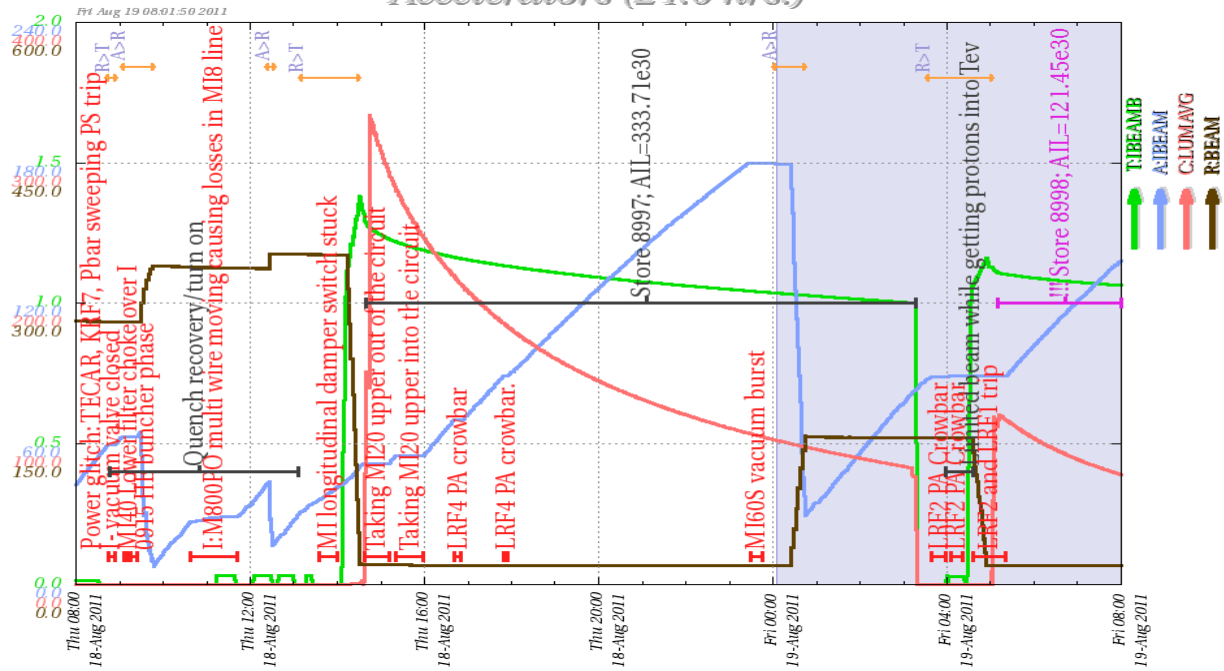
Pelletatron down yet again!

## Numbers

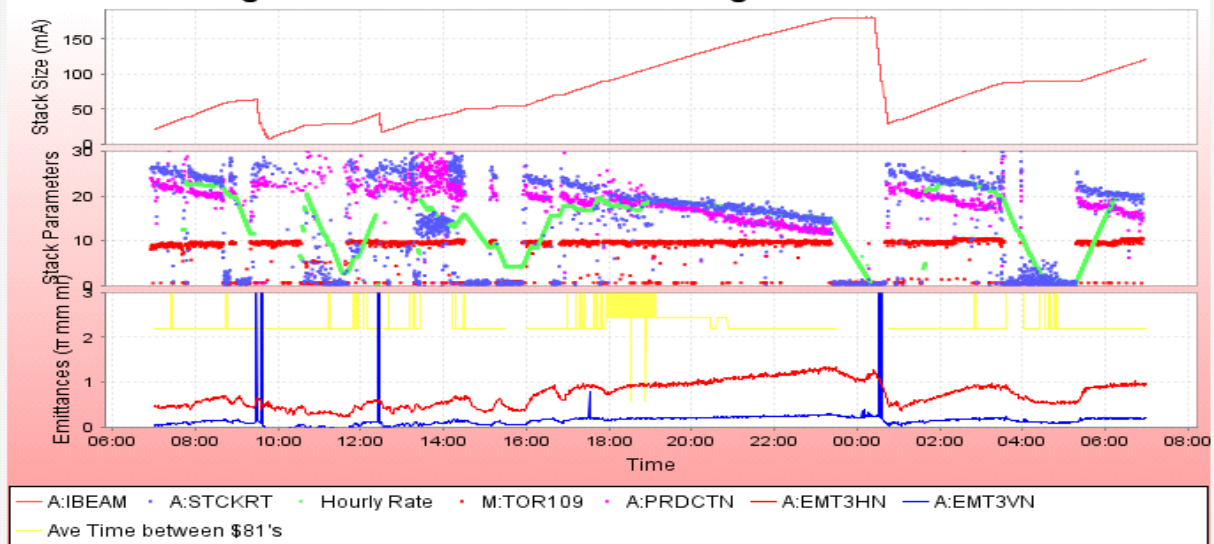
- Stacking
  - Pbars stacked: 364.00 E10
  - Time stacking: 21.43 Hr
  - Average stacking rate: 16.98 E10/Hr
- Uptime
  - Number of pulses while in stacking mode: 31756
  - Number of pulses with beam: 26055
  - Fraction of up pulses was: 82.05%
- The uptime's effect on the stacking numbers
  - Corrected time stacking: 17.59 Hr
  - Possible average stacking rate: 20.70 E10/Hr
  - Could have stacked: 443.65 E10/Hr
- Recycler Transfers
  - Pbars sent to the Recycler: 242.25 E10
  - Number of transfers : 15
  - Number of transfer sets: 3
  - Average Number of transfer per set: 5.00
  - Time taken to shoot including reverse proton tuneup: 00.05 Hr
  - Transfer efficiency: 89.72%
- Other Info
  - Average POT : 7.34 E12
  - Average production: 19.04 pbars/E6 protons

## Plots

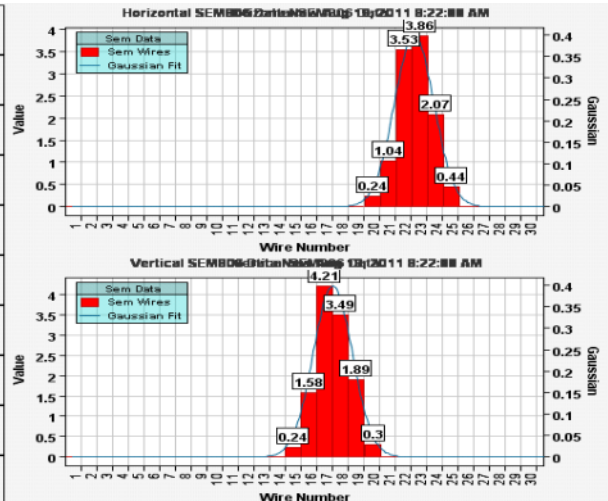
## Accelerators (24.0 hrs.)



### Thu Aug 18 07:00:00 CDT 2011 -- Fri Aug 19 07:00:00 CDT 2011



Horizontal Area New	<b>11.18</b>	Intensity
Horizontal Area Calc	<b>198.3</b>	Intensity
Horizontal Sigma New	<b>3.19</b>	mm
Horizontal Sigma Calc	<b>3.01</b>	mm
Horizontal Mean	<b>23.1</b>	mm
Vertical Area New	<b>11.72</b>	Intensity
Vertical Area Calc	<b>202.73</b>	Intensity
Vertical Sigma New	<b>3.18</b>	mm
Vertical Sigma Calc	<b>2.98</b>	mm
Vertical Mean	<b>7.57</b>	mm



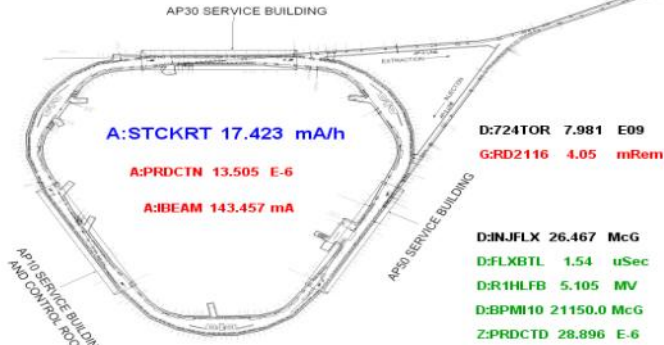
Pbar Source Accumulator, Debuncher, AP1, AP2, & AP3 Beamline Views

Program Running: Yes

V:APSMOD: Stacking

A:IBMINJ 9.344 e07  
A:STMEDS 9.609 MeV  
A:R1HLFB 30.953 kV  
A:FRWDTH 14.738 Hz  
A:CENFRQ 628900. Hz  
A:R2DDS1 628902. Hz  
A:EMT3HN 1.081 pimm  
A:EMT3VN 0.23 pimm  
A:XFRNXT 75.0 mA

MI EFF 0.87  
M:TR105B 7.968 E12  
G:TURN14 11.0 Turns  
E14SUM3 9.194 E12



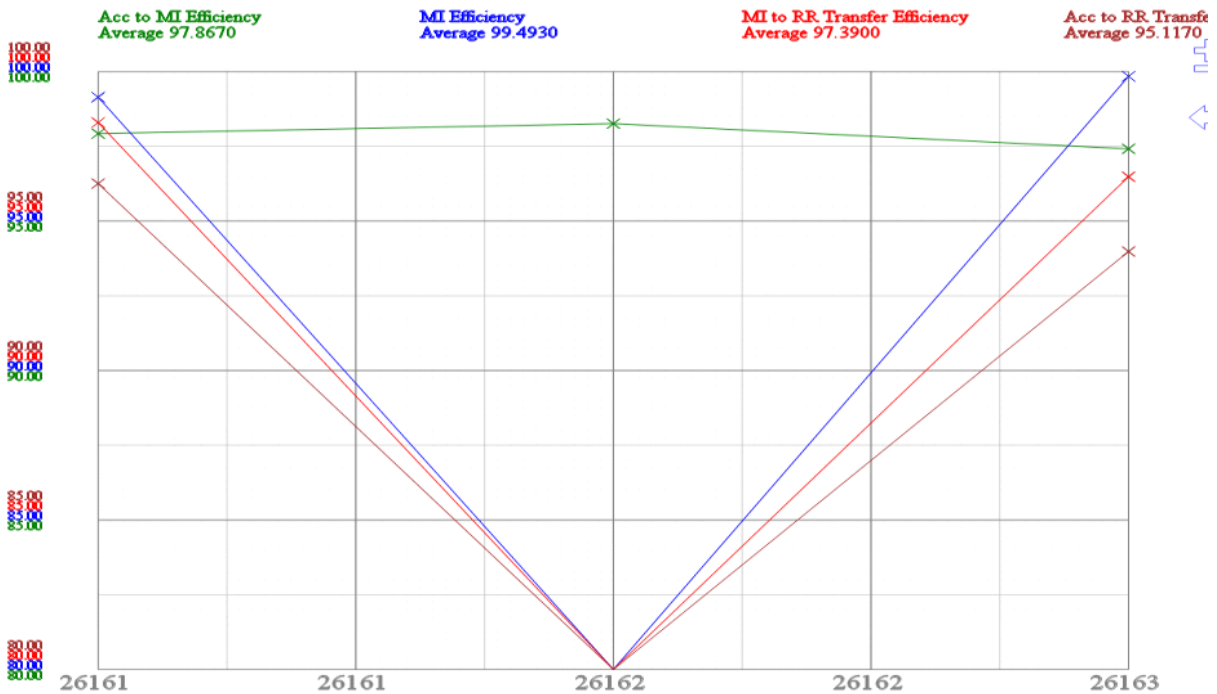
Pbar Beamlines BPM House Status

P1  
P2  
AP1  
AP2 F27  
AP2 AP50

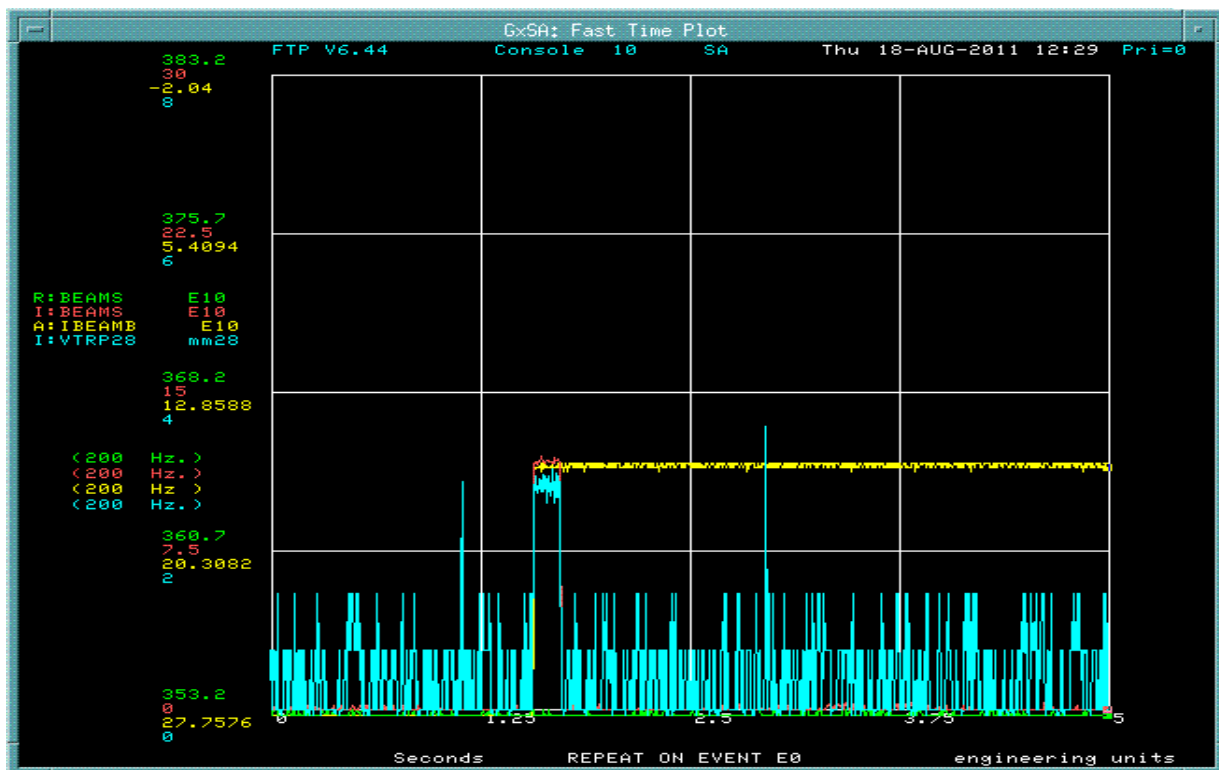
0x80 Event Detected

A:STCKAV 2.2 Secs

Overthruster Status



Column 1 Number _0_Pbar Transfer Shot #	Column 4 Number_3 Transfer Time	Column 21 Number _20_A-I BEAMB sampled on \$91 (A:BEA M7), E10	Column 22 Number _21_A-I BEAMB sampled on \$94 (A:BEA M9), E10	Unstacked (mA)	Column 23 Number _22_R-B EAMS (R:BEA ME0(0)) pre after E10	Column 24 Number _23_R-B EAM (R:BEA ME0(1)) post after, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Transfers	Sets	Column 5 Number _4_Acc Horizontal Emittance	Column 6 Number _5_Acc Vertical Emittance	Column 8 Number _7_Acc Longitudinal Emittance	
	Totals =>			242.53			218.23	89.98%	97.67%	92.59%	90.43%	15	3	6.5027	0.934	1.815	
	Daily Average =>			242.53			218.23						15	3			
26163	Friday, August 19, 2011	0:24	179.48	29.63	149.73	20.35	158.36	140.56	93.88%	97.37%	97.22%	94.66%	7	1	9.179	1.615	1.478
26162	Thursday, August 18, 2011	12:26	44.13	16.57	28.74	337.19	353.16	16.12	56.08%	98.35%	57.38%	56.44%	2	1	5.244	0.848	1.94
26161	Thursday, August 18, 2011	9:29	65.05	7.21	64.06	280.18	340.50	61.55	96.09%	98.07%	97.56%	95.68%	6	1	5.085	0.339	2.027



Lost one transfer in set 26162 due to MI beam permit dropping.